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[0042] With reference to FIGS. 1A, 1B and 2 and 7E, an embodiment of a data cartridge library 100 (hereinafter referred to as "library 100") is described. Generally, the library 100 is comprised of: (a) a frame/chassis/cabinet 102 that defines an interior space for containing components comprised by the library 100; (b) entry/exit port 104 for moving data cartridges 130 into and out of the library 100; (c) a magazine structure 106 for providing a plurality of data cartridge storage spaces 422 that are each capable of accommodating at least one data cartridge, such as the LTO cartridge 130 of FIG. 3A and 3B which will generally be used herein for illustrative purposes; (d) a drive bay 108 for housing a plurality of drives 110; (e) a plurality of drives 110 located in a drive bay 108, with each drive 100 capable of writing/reading data onto/from a recording medium located in a cartridge 130; (f) a transport system 112 for moving a data cartridge 130 between any one of the data cartridge storage spaces 422 provided by the magazine structure 106 and any one of the drives 108; (g) a power supply/control module bay 114 for housing at least one power supply, such as power supply 116A, and associated control circuitry that is deemed necessary to the operation of the library 100; (h) a pair of power supplies 116A, 116B that are each located in the power supply/control module bay 114; (g) a library control module 118 located in the power supply/control module bay 114; and (h) a universal bay 120 for housing electronic circuitry that enhances or supplements the operation of the library 100 but is not deemed necessary to the operation of the library 100.

[0043] Before describing the library 100 in greater detail, the data cartridges 130 that the library 100 is adapted to manipulate are described. The library 100 is adapted for storing and retrieving data to and from magnetic tape cartridges 130. Specifically, the library 100 is adapted for storing and retrieving data to and from cartridges that conform to the following cartridge formats: (a) LTO (Linear Tape Open) 130 and (b) DLT (Digital Linear Tape) 150. It